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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/803,474	03/17/2004	Stan Cheng	23724-08325	5465

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FENWICK & WEST LLP
SILICON VALLEY CENTER
801 CALIFORNIA STREET
MOUNTAIN VIEW, CA 94041

EXAMINER

GABLER, PHILIP FRANCIS

ART UNIT PAPER NUMBER

3637

DATE MAILED: 04/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/803,474	Applicant(s) CHENG, STAN	
	Examiner Philip Gabler	Art Unit 3637	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 February 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6,8-11 and 13-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6,8-11 and 13-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ✓ 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ✓ 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 13 is rejected under 35 U.S.C. 102(b) as being anticipated by Jeong (US Patent Number 6404624). Jeong (Figures 1 and 4C) discloses a computer chassis comprising: a computer chassis frame (20); a chassis cover (180, shown in phantom in Figure 1) for fitting over the computer chassis frame; means (80) for supporting the chassis cover when fitted over the computer chassis frame (80 supports the cover by supporting cover support 40); and a removable structure (40) adapted to be installed within the computer chassis frame, the removable structure configured to fit over the means for supporting the chassis cover.

Fig. 1

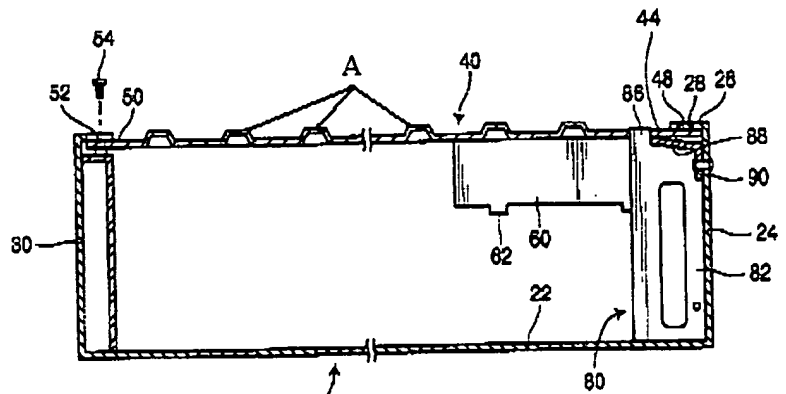
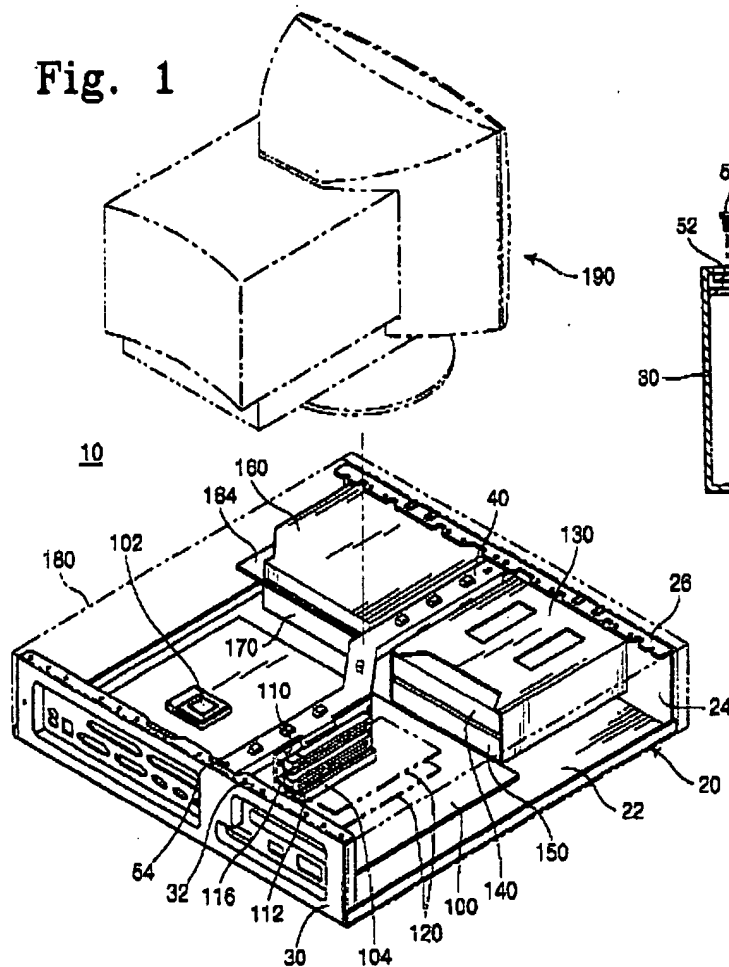


Fig. 4C

Exhibit 1: Jeong '624 Figures 1 and 4C

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-6, 8-11, 14, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang (US Patent Number 5164886) in view of Jeong. Chang

(Figure 1) discloses a computer chassis apparatus comprising: a chassis frame (2, including 5, 24, etc.) having a load-bearing surface (upper surface of 5, also 24); one or more rounded portions (51, also 241) on the load bearing surface, each rounded portion protruding upwardly from the load-bearing surface; and a removable structure (6) adapted to be installed within the computer chassis, the removable structure configured to fit with at least some of the rounded portions of the chassis frame. Chang does not disclose the rounded portions as supporting a chassis cover (which is present as element 1). Jeong discloses a computer chassis apparatus including a load-bearing surface (upper surface of 40) including upwardly protruding rounded portions (viewed as A in Exhibit 1) configured to support a chassis cover (180). [See Figure 4C and column 4 lines 2-7 for disclosure of 40 (and rounded portions A) acting as a support for the cover, monitor, etc.] Accordingly, it would have been obvious to one of ordinary skill in the art to replace Chang's rounded portions with Jeong's rounded portions (i.e. domes which would engage the cover in place of hooks that do not) because this arrangement would provide additional strength and support to the chassis apparatus.

5. Regarding claim 2, the phrase "for a small form factor computer" is an intended use and is given little patentable weight. However, Chang's frame could house a small form factor computer.

6. Regarding claim 3, Chang, as modified by Jeong as described above, discloses the load-bearing surface of the chassis frame includes a plurality of the rounded portions protruding upwardly to support a chassis cover.

7. Regarding claim 4, Chang and Jeong further disclose flat-topped rounded portions (see figures).
8. Regarding claims 5 and 6, Chang and Jeong further disclose rounded portions which are mounted to and integrally formed with the load-bearing surfaces.
9. Regarding claim 8, Chang further discloses the removable structure is configured to house at least one computer component (specifically a disk drive, see column 2 lines 2-3).
10. Regarding claim 9, Chang further discloses the removable structure receives (in 601) the rounded portions of the chassis frame to secure the removable structure.
11. Regarding claim 10, Chang, when modified by Jeong as described above, discloses the removable structure includes corresponding rounded portions (601) configured to fit over the rounded portions of the chassis frame (the corresponding portions in the removable structure simply fitting over the rounded portions/domes of the frame).
12. Regarding claim 11, Chang further discloses the removable structure is laterally restrained by the rounded portions when installed on the chassis frame.
13. Regarding claim 14, Chang discloses a computer chassis apparatus comprising: a computer chassis frame (2, including 5, 24, etc.) for a form factor computer comprising at least two upward facing surfaces (upper surfaces of 5 and 24); a plurality of oblong rounded structures (51, 241) formed into the upward facing surfaces of the computer chassis frame and distributed along the surfaces; a removable drive frame (6) capable of supporting a plurality of drives of different sizes adapted to be installed within

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the computer chassis, the removable drive frame comprising interface structures (601) corresponding to each rounded structure. Chang does not disclose domes on the upward facing surfaces. Jeong discloses a computer chassis frame with domes (A) formed on an upward facing surface. Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Chang's oblong rounded structures to be domes as taught by Jeong because this arrangement would make installation and removal of the removable drive frame quicker and more simple (the frame could simply be placed on the upward facing surfaces with the interface structures fitting over the domes rather than sliding under hooks).

14. Regarding claim 15, Chang further discloses the load-bearing surface comprises a rail (5) bordering the top of the chassis frame.

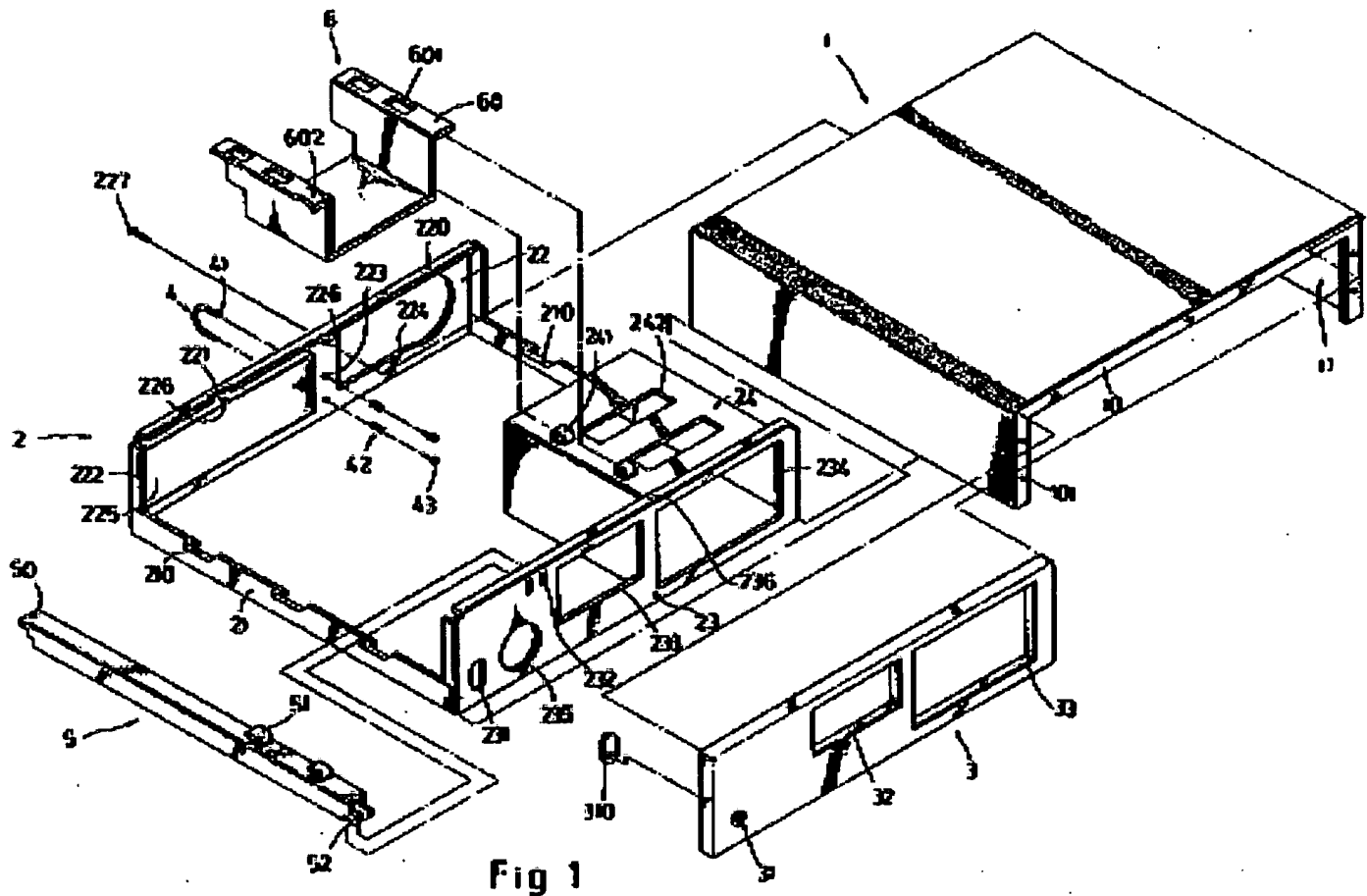


Fig 1

Chang '886 Figure 1

Response to Arguments

15. Applicant's arguments, see pages 5 and 6, filed 3 February 2006, with respect to the declaration, drawing, and claim 14 objections, and the 35 USC 112 rejections have been fully considered and are persuasive. The objections to the declaration, drawings, and claim 14, as well as the 35 USC 112 rejections of claims 3, 10, and 12 have been withdrawn.

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16. Applicant's arguments with respect to claims 1-6, 8-11, and 13-15 have been considered but are moot in view of the new grounds of rejection.

Conclusion

17. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ho '219, Toor '442, Dewey '372, Ho '804, McAnally '364, Cook '586, '532, Liao '373, Chen '777, Lin '071, Wang '527, Cheng '267, Cheng '686, Yu '178, Chen '179, Lane '369, Navia '669, Radloff '115, Mroz '457, Gebara '678, Johnson '769, Chen '818, Chen '238, Gan '482, Chen '653, Chen '039, Chen '442, Ho '515, Yu '977, Liu '880, and Su '927 all show aspects of the current invention.


18. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Gabler whose telephone number is (571) 272-6038. The examiner can normally be reached on Monday through Friday, 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lanna Mai can be reached on (571) 272-6867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PFG 
3/22/2006

LANNA MAI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600

